

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

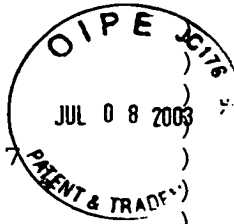
In re Application of:

BIRKELUND, et al.

Serial No.: 09/446,677

Filed: March 24, 2000

For: NOVEL SURFACE EXPOSED
PROTEINS FROM CHLAMYDIA
PNEUMONIAE



Art Unit: 1645

Examiner: SHAHNAN-SHAH, K.

Washington, D.C.

July 8, 2003

Docket No.: BIRKELUND=1

Confirmation No.: 2720

#27
On
7/16/03

AMENDMENT UNDER RULE 1.115

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S i r :

In response to the office action mailed January 23, 2003,
please enter the following amendments and remarks.

IN THE DRAWINGS

Please enter the enclosed substitute drawings.

IN THE CLAIMS

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02 FC:1202

396.00 OP

Please amend claim 5 to read as follows:

5 (twice amended). A non-naturally occurring or isolated protein or peptide which is (i) an isolated protein derived from Chlamydia pneumoniae having the amino acid sequence selected from the group consisting of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:8, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:18, SEQ ID NO:20, SEQ ID NO:22, and SEQ ID NO:24, said protein being free of any other chlamydial protein, or (ii) a variant protein having an amino acid sequence identity of at least 80% to at least one of said isolated proteins, or (iii) a peptide or protein which consists of an amino acid sequence which is a subsequence, at least 6 amino acids in length, of at least one of said isolated proteins, said variant

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